

Claims

What is claimed is:

1. A modified centrifugal fan wheel, comprising:

a hollow hub having a hollow portion, wherein a hollow hub axis is disposed at the center of said hollow portion of said hollow hub, along a top side surface of said hollow hub is a curved guiding inlet part and along a bottom side surface of said hollow hub is a curved surface with a smooth fillet extending to a closed part; and

a set of blades, arranging around an outer part of said hollow hub, having an up ring and a down ring, wherein an inner part of said down ring is connected to said closed part of said hollow hub, blades are disposed between said up ring and said down ring, wind holes are disposed equidistantly between each of said blades, and equidistant perforations are arranged on the surface of said down ring, connecting to said wind holes between each of said blades.

2. The modified centrifugal fan wheel of claim 1, wherein ribs are disposed at said hollow portion close to said hollow hub axis.